

MATERIALS LICENSE

Amendment No. 01

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. North Star Steel Company

2. 3000 East Front Street
Monroe, MI 48161In accordance with letter dated
September 25, 19843. License number 21-18673-01 is amended in
its entirety to read as follows:

4. Expiration date January 31, 1991

5. Docket or
Reference No. 030-140216. Byproduct, source, and/or
special nuclear material7. Chemical and/or physical
form8. Maximum amount that licensee
may possess at any one time
under this license

A. Cesium-137

A. Sealed sources
(New England Nuclear
Model NER 570, Gamma
Industries Model VD, General
Radioisotope Products
Model 850233, 3M Company
Model 4P6M, or Amersham
Searle Model X.8., X.9.
or X.19)A. No single source
to exceed 1,000
millicuries

9. Authorized Use

A. To be used in Kay-Ray Model 7062SD source holders for level measurement.

CONDITIONS

10. Licensed material shall be used only at 3000 E. Front Street, Monroe, Michigan.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision of, Frank Sikula or Richard T. Sipole.
13. A. Each sealed source shall be tested for leakage and/or contamination at intervals not to exceed three years. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

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- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated February 7, 1979 for analysis by Kay-Ray or Health Physics Associates. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
15. A. The initial installation, radiation survey, amintenance and repair of devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in devices shall be performed only by Kay-Ray, Inc. or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
- B. Notwithstanding Condition 15.A. installation, relocation and radiation surveys of the devices listed in Item 9.A. above shall be performed by Frank Sikula or Richard T. Sipole or other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. Survey instruments to be used for making the survey specified in Condition 15. shall be calibrated at least annually by the manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
17. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturer's name and model numbers, location of sealed sources and the date of the inventory.

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18. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated February 7, 1979; and letters dated September 25, 1984 and January 10, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



For the U.S. Nuclear Regulatory Commission

Date JAN 31 1986

Original Signed
By Bruce S. Mallett
Materials Licensing Section, Region III

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